

20010505.qrp v02_n180.qrl.20010505

Date: Sat, 5 May 2001 19:03:08 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2180

QRP-L Digest 2180

Topics covered in this issue include:

- 1) [97677] Solar Power
by Bruce Rattray <rattray@gpfn.sk.ca>
- 2) [97678] IRCs and \$\$\$\$
by "Mark Fancher" <mmfancher@earthlink.net>
- 3) [97679] Re: IRCs and \$\$\$\$
by Bruce Muscolino <w6toy@erols.com>
- 4) [97680] Re: IRCs and \$\$\$\$
by Hank Kohl K8DD <k8dd@arrl.net>
- 5) [97681] Re: [97631] Re: N8we Maritime Mobile or Portable?
by Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
- 6) [97682] Atlas Component Tester
by "Michael Melland" <w9wis@charter.net>
- 7) [97683] Re: Why do QRPers Build?
by Bob Nielsen <nielsen@oz.net>
- 8) [97684] Re: Solar Power
by PTSMANTUA@aol.com
- 9) [97685] Re: IRCs and \$\$\$\$
by Bob Nielsen <nielsen@oz.net>
- 10) [97686] QRP DXpedition
by Bob Nielsen <nielsen@oz.net>
- 11) [97687] DSW/PC tune experimenters...please read
by "William Mabry" <n4qa@hotmail.com>
- 12) [97688] QRP speakers
by Vance Huntsinger <vhuntsinger@iwic.net>
- 13) [97689] Re: Maritime Mobile or Portable?
by N0BN@aol.com
- 14) [97690] OT: the \$2 dollar gallon is HERE !!
by Walter D Amos <walt_amos@juno.com>
- 15) [97691] FS: HW-7
by "Jim" <n0ur@mn.mediaone.net>
- 16) [97692] FOXX3, DK9SQ, R2Pro, Kanga Web Page Updates
by "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
- 17) [97693] OT: the \$2 dollar gallon is HERE !!
by William R Colbert <w5xe@juno.com>
- 18) [97694] Re: Help, I've nothing to build!
by "Tony Fishpool" <g4wif@btinternet.com>
- 19) [97695] Harbor Freight Metal Brake

- by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 20) [97696] QRPTTF Results from NETXQRP
by "Don Wines" <dwines@tyler.net>
- 21) [97697] Re: IRCs and \$\$\$\$
by Bruce Rattray <rattray@gpfn.sk.ca>
- 22) [97698] QRP:solar power
by Bruce Rattray <rattray@gpfn.sk.ca>
- 23) [97699] Re: Harbor Freight Metal Brake
by Bob Nielsen <nielsen@oz.net>
- 24) [97700] Re: Why do QRPers Build?
by "John Moriarity" <k6qq@hdo.net>
- 25) [97701] SST Sidetone too LOUD!
by "Steve/n0tu" <n0tu@webaccess.net>
- 26) [97702] Re: Harbor Freight Metal Brake
by "Mike Malone" <mmalone@worldlogon.com>
- 27) [97703] AL7FS to do some casual operating at KL7Y Saturday.
by Jim Larsen AL7FS <AL7FS@pobox.alaska.net>
- 28) [97704] Re: Harbor Freight Metal Brake
by "Robert P. Okas" <vintage@best.com>
- 29) [97705] OT FINAL! \$2 gallon
by Euramcom <mel@euramcom.freeserve.co.uk>
- 30) [97706] Re: SST Sidetone too LOUD!
by ae5x@netscape.net (John Harper AE5X)
- 31) [97707] Fw: RE: N8we Maritime Mobile or Portable?
by Walter D Amos <walt_amos@juno.com>
- 32) [97708] 17 Meter DSB rig - Background
by Bill Meara <n2cqr@clix.pt>
- 33) [97709] Re: QRP:solar power
by "Karl F. Larsen" <k5di@zianet.com>
- 34) [97710] Re: Harbor Freight Metal Brake
by n2go@arrl.net
- 35) [97711] 17 Meter DSB Rig: Balanced Modulator
by Bill Meara <n2cqr@clix.pt>
- 36) [97712] Re: Solar Power
by "Brian Murrey" <bmurrey@amexol.net>
- 37) [97713] Flying Pigs QRP Nooner!!
by "Brian Murrey" <bmurrey@amexol.net>
- 38) [97714] Re: 17 Meter DSB rig - Background
by "Mike WA8BXN" <hubby2k@hotmail.com>
- 39) [97715] FS: K1EA Voice Board
by "Alan Fryer" <qrpdx@earthlink.net>
- 40) [97716] Re: QRP ATV Circuit Schematic Help Needed
by "Kevin Asato" <kevin.k.asato@worldnet.att.net>
- 41) [97717] NOONER contest
by "w8diz" <w8diz@fpqrp.com>
- 42) [97718] Re: Harbor Freight Metal Brake
by "Howard Kraus" <K2UD@adelphia.net>
- 43) [97719] Re: Solar Power - Quick and DIRty

by "James R. Duffey" <jamesd1@flash.net>
44) [97720] Re: QRP: Solar Power
by Bruce Ratray <rattray@gpfn.sk.ca>
45) [97721] Soldering @ 1AM
by "Steve/n0tu" <n0tu@webaccess.net>
46) [97722] 9M6CT @ 18.125.0
by Michael Goins <mgoins@usa.net>
47) [97723] IRF510 Pinout?
by "Gary R. Hanson" <hansongr@uts.cc.utexas.edu>
48) [97724] SSST & L/C Pill Bottle
by "Steve/n0tu" <n0tu@webaccess.net>
49) [97725] Re: [SSST & L/C Pill Bottle]
by "Steve/n0tu" <n0tu@webaccess.net>
50) [97726] Re: [SSST & L/C Pill Bottle]
by "Steve/n0tu" <n0tu@webaccess.net>
51) [97727] Re: SSST & L/C Pill Bottle
by "Brian Murrey" <bmurrey@amexol.net>
52) [97728] Re: IRF510 Pinout?
by Dave Sjolin <sjolin@swbell.net>
53) [97729] Re: IRF510 Pinout?
by "Brian Murrey" <bmurrey@amexol.net>
54) [97730] Tek 547 Scope to good home
by "Ed Manuel (N5EM)" <n5em@flash.net>
55) [97731] RE: IRF510 Pinout?
by "Ed Tanton" <n4xy@att.net>
56) [97732] [PROP] Propagation software
by John Harper AE5X <ae5x@qsl.net>
57) [97733] Flying Pigs QSO Party
by Bill Stietenroth <k5zty@juno.com>
58) [97734] CW items FS
by "Ken Simpson, W8EK" <W8EK@fdt.net>
59) [97735] Portable Vertical Ant
by "Ken Kirkley" <ogbc@mindspring.com>
60) [97736] AL7FS at KL7Y 2245Z
by Dan Robbins <kl7y@alaska.net>
61) [97737] batteries.....again
by "Randall" <Firefox@Southwind.net>

Date: Fri, 4 May 2001 17:03:50 -0600 (CST)
From: Bruce Ratray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-1@LeHigh.EDU>
Subject: [97677] Solar Power
Message-ID: <Pine.LNX.4.33.0105041653510.3660-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I now have 3 small solar panels and seeing it's summer time again here in Regina, I thought I'd try a little basic solar power....I have one of Dave Benson's SW-30 transceivers which I'd like to power up on solar...but as with many things, I don't know much about it....so I was wondering, assuming that I'm not alone (hi hi hi) that maybe a "group" of us wanting to learn about this method of powering a little QRP rig could hook up with one or two expert/experienced amateurs in this area and run a little basic learning "course" here on QRP-L & QRP-C?....it would be nice if we all had some kind of solar panel and a little qrp rig so that we could try the hookups out as we discuss, ask questions and learn from our teachers.... anyway, just an idea for fun and learning....so if you're interested let me know...I'll compile a list of learners and hopefully someone or two will come along and teach us the basics.....maybe someone knows where this information already exists on a web site somewhere?....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
K2#2032 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Fri, 4 May 2001 19:01:32 -0400
From: "Mark Fancher" <mmfancher@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [97678] IRCs and \$\$\$
Message-ID: <000b01c0d4ee\$2a76af20\$602c56d1@GEARemote>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

With the latest propagation conditions, I've been getting a lot of countries towards my DXCC. I've been sending QSL cards with IRCs in the hopes that I will get a better return rate.

I went to the post office today to purchase some IRCs since my supply was gone. I was quite surprised to find that they now cost \$1.75 per. Is the post office pulling my leg, or are others being charged the same rate? I guess I'll have to start using the buro and waiting . . .

Mark Fancher, W09G
mmfancher@earthlink.net

Date: Fri, 04 May 2001 19:08:42 -0400

From: Bruce Muscolino <w6toy@erols.com>
To: mmfancher@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [97679] Re: IRCs and \$\$\$\$
Message-ID: <3AF3367A.86E057B9@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Mark,

You will want every QSL card the next day until you realize what you are spending to subsidize the Post Office! I used to do the same thing, and I admit, it got the cards for DXCC and WAS in faster. It was when I was living in PA land so the expenses were slightly higher than here, even then! And I included a SASE with each card.

Then I discovered the bureau! I just got an infusion from the bureau yesterday. 18 countries, none of them new, but all still fun. I think the cards were in a batch I sent out over a year ago! Oh well, nothing ventured, nothing received!

73

Date: Fri, 04 May 2001 19:32:59 -0400
From: Hank Kohl K8DD <k8dd@arrl.net>
To: mmfancher@earthlink.net
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97680] Re: IRCs and \$\$\$\$
Message-ID: <5.0.2.1.2.20010504192645.02582520@mail.tir.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I was at the post office the other day mailing Toy Store books and the guy in front of me bought an IRC - \$1.75 - the going rate. If you absolutely have to send IRC's, try to find a QSL manager, or someone who has gone on a DXpedition and offer to buy their IRC's. It can be a real pain to redeem them for Air Mail postage at some post offices and they might want to sell them for anywhere between 60 cents and a dollar. Think I sold my last batch for 80 cents apiece.

Normally, if I want a card direct or from a manager I'll send a dollar bill along with the SAE. Two dollars if the manager is a DL because of their postage rates.

73 Hank K8DD

At 07:01 PM 5/4/2001 -0400, Mark Fancher wrote:

>With the latest propagation conditions, I've been getting a lot of
>countries
>towards my DXCC. I've been sending QSL cards with IRCs in the hopes
>that I
>will get a better return rate.
>
>I went to the post office today to purchase some IRCs since my supply was
>gone. I was quite surprised to find that they now cost \$1.75 per. Is
>the
>post office pulling my leg, or are others being charged the same rate? I
>guess I'll have to start using the buro and waiting . . .
>
>Mark Fancher, W09G
>mmfancher@earthlink.net

*/ Hank Kohl K8DD k8dd@arrl.net
*/ ARRL TS <http://www.qsl.net/k8dd>
*/ MI-QRP - Vice Pres. QRP-ARCI - Director
*/

Date: Fri, 4 May 2001 19:42:03 -0400 (EDT)
From: Doug Faunt N6TQS +1-510-655-8604 <faunt@panix.com>
To: ad4ih@worldnet.att.net
Cc: hubby2k@hotmail.com, qrp-1@Lehigh.EDU
Subject: [97681] Re: [97631] Re: N8we Maritime Mobile or Portable?
Message-ID: <200105042342.TAA14894@panix6.panix.com>

Date: Fri, 4 May 2001 09:51:15 -0400
From: "JOSEPH PIRKLE" <ad4ih@worldnet.att.net>

----- Original Message -----
From: "Mike WA8BXN" <hubby2k@hotmail.com>

> Maritime Mobile to my understanding requires you to be in international
> waters.

Exactly!

You shouldn't be quite so dogmatic about what Maritime Mobile involves. We've just been this on the G-QRP list, and you'd be surprised to see what the UK authorities SPECIFY as Maritime Mobile(1).

And the US authorities, and the ARRL, make no specifications at all.

So, either use what the local authorities require, or whatever you like, but don't be surprised if your assumptions about the meaning are incorrect.

73, doug

N6TQS/M0BP1

(1) you can look at
http://www.radio.gov.uk/publication/ra_info/br68/br68.htm
and then I'll tell you the source of "Tidal Waters" information.

Date: Fri, 4 May 2001 19:03:21 -0500
From: "Michael Melland" <w9wis@charter.net>
To: <qrp-l@lehigh.edu>
Subject: [97682] Atlas Component Tester
Message-ID: <005f01c0d4f6\$cbf135c0\$b25d53d1@computer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

My tester arrived today.... exactly seven days after I ordered it. Amazing and useful little instrument like others have said. Reminds me lots of the AADE LC Meter IIB but for transistors etal

Mike

--
Michael Melland, W9WIS
Winneconne, Wisconsin USA EN54pc
qrp-l #1656 - qrparci # 9875 - iparc #252
<http://www.qsl.net/w9wis>

Date: Fri, 4 May 2001 17:13:55 -0700

From: Bob Nielsen <nielsen@oz.net>
To: qrp-l@lehigh.edu
Subject: [97683] Re: Why do QRPers Build?
Message-ID: <20010504171355.C7034@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

I remember K7KI telling me after he had retired that he couldn't figure out how he ever had time to go to work. I thought he was kidding until I retired and found out it was true!

72, Bob N7XY

On Fri, May 04, 2001 at 03:55:18PM -0600, Bruce Rattray wrote:
> HI Mark et al....my father Andy, VE30IA (SK), after he retired, used to
> say he needed 8 days in the week and 25 hours a day..... ;-))

Date: Fri, 4 May 2001 20:15:59 EDT
From: PTSMANTUA@aol.com
To: rattray@gpfn.sk.ca, qrp-l@lehigh.edu
Subject: [97684] Re: Solar Power
Message-ID: <104.2e64628.2824a03f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I would like to be part of the learner group.

Have 3 panels, 2 at 3.9 A, 18V full sunlight, and a smaller one trickling to a pair of 7.2V Sealed Lead Acid Batteries.

Really interested in a charger circuit that would handle say 10A, with a lot of features to build.

de Phil

KF8JW

Date: Fri, 4 May 2001 17:23:25 -0700
From: Bob Nielsen <nielsen@oz.net>
To: qrp-l@lehigh.edu
Subject: [97685] Re: IRCs and \$\$\$\$

Message-ID: <20010504172325.D7034@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Yeah, the price went up (a lot!) earlier this year.

I have a theory that IRCs just keep on being sold and traded and never really get redeemed for a real stamp.

There are a few other countries besides DL that need >\$1.00 (or even more than 1 IRC), see <http://www.qsl.net/n6dhz/irc-chart.html> for the details.

72,

Bob, N7XY

On Fri, May 04, 2001 at 07:32:59PM -0400, Hank Kohl K8DD wrote:

> I was at the post office the other day mailing Toy Store books and the
> guy in front of me bought an IRC - \$1.75 - the going rate. If you
> absolutely have to send IRC's, try to find a QSL manager, or someone
> who has gone on a DXpedition and offer to buy their IRC's. It can be a
> real pain to redeem them for Air Mail postage at some post offices and
> they might want to sell them for anywhere between 60 cents and a
> dollar. Think I sold my last batch for 80 cents apiece.

>

> Normally, if I want a card direct or from a manager I'll send a dollar
> bill along with the SAE. Two dollars if the manager is a DL because of
> their postage rates.

>

> 73 Hank K8DD

>

>

>

>

> At 07:01 PM 5/4/2001 -0400, Mark Fancher wrote:

> >With the latest propagation conditions, I've been getting a lot of
> >countries

> >towards my DXCC. I've been sending QSL cards with IRCs in the hopes
> >that I

> >will get a better return rate.

> >

> >I went to the post office today to purchase some IRCs since my supply was
> >gone. I was quite surprised to find that they now cost \$1.75 per. Is
> >the

> >post office pulling my leg, or are others being charged the same rate? I
> >guess I'll have to start using the buro and waiting . . .

> >
> >Mark Fancher, W09G
> >mmfancher@earthlink.net
>
> */ Hank Kohl K8DD k8dd@arrl.net
> */ ARRL TS http://www.qsl.net/k8dd
> */ MI-QRP - Vice Pres. QRP-ARCI - Director
> */

--
Bob Nielsen, N7XY nielsen@oz.net
Bainbridge Island, WA http://www.oz.net/~nielsen
IOTA NA-065, USI WA-028S

Date: Fri, 4 May 2001 18:01:47 -0700
From: Bob Nielsen <nielsen@oz.net>
To: qrp-l@lehigh.edu
Subject: [97686] QRP DXpedition
Message-ID: <20010504180147.A8142@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

>From the Ohio/Penn DX bulletin, April 16, 2001:

QRP-PEDITION FROM A UR-QRP CLUB. The Ukrainian QRP Club will hold its first (what they call a) "QRP-pedition" to the Ai-Petri mountain in Crimea, from May 4-11th. The main aim of this expedition are:

- 1) To publicize low power activity on the air.
- 2) To attract the attention of hams to the QRP movement and to show the boundless possibilities for low power operations.
- 3) To test home-made QRP transceivers, as well as, to meet friends and associate with them. A special callsign will be used during the QRP-pedition: EM5QRP.

The members of the QRP-pedition are: RK3ZK, UR6IRL, UR7IRL, US1RCH, US1RE0, UU4JCQ, UY1AW and UZ8RR. The QRP-pedition members output power of their transmitters will be: 5 watts (CW) and 10 watts (SSB). Look for them to be active mainly on the international QRP frequencies. Operations on RTTY and SSTV are being planned too. Prizes (A book, published by Igor Grigorov, RK3ZK) will be given out to three stations who have the largest number of the QSOs with the QRP-pedition members on various bands. All other contacts will get a special QSL card confirming their QSOs. Those who wish to get the QRP-pedition pennant must send their QSL and 4 IRC to the expedition QSL Manager UR7IRL: Vladimir Tretyakov, Post Box 41, Konstantinovka-10, Donetsk Region, 85110, Ukraine.

--

Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Fri, 04 May 2001 21:05:26 -0400
From: "William Mabry" <n4qa@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [97687] DSW/PC tune experimenters...please read
Message-ID: <F19AitVGeSJIEoPXCFb00000025a@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I am now using a 1k ohm, 1/4 watt 'isolating' resistor in series with each of the three signal lines between the printer port (pins 1,4,5) and DSW-X0 J1(pins 1,2,3,respectively).

This should afford some measure of protection for the printer port output drivers in the event of accidental short circuits etc. While I have used direct connections for this interface, without incident, for the past several months, this nagging feeling has compelled me to add the above protection, just in case. BTW, it's easiest to just solder the resistors directly to the pins of your interface cable end (the cable end nearest the printer port).

Granted, it's not as snazzy as using optocouplers or buffer chips etc but it's much simpler and I feel comfortable with it.

The 'ground' connection remains a direct one, from printer port pin 18-25 (pick one) to DSW-X0, J1, pin 4.
A low value of resistance (couple of ohms or so) might also be inserted into this line but...

Katie (our youngest) has 'invited' me over to her apartment in Blacksburg...after finals next week...so that I may check out the DSWTUNER.EXE program and interface on her 400 MHz Pentium II or whatever the thing is. Then, probably, I'll bug you guys, one more time, about 'the project'.

Thanks and 73.
Bill, N4QA

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Fri, 04 May 2001 20:07:32 -0500
From: Vance Huntsinger <vhuntsinger@iwic.net>
To: qrp-1@Lehigh.EDU
Subject: [97688] QRP speakers
Message-ID: <4.2.0.58.20010504195743.00a12340@mail.iwic.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I need to thank Bill Launer, WB0CLD, for the tip on the Office Max speakers. I stopped at my local OM today and purchased the speakers. I was charged \$9.59, including tax, for the set of two. After spending a little for postage and an envelope to send in the \$9.00 rebate, the two speakers will have cost me about a buck. That's a QRPP price!. The speaker works well with my K2 and even my DSW-40 will drive it, although not to room-filling volume.

Vance--WA9YDJ

Date: Fri, 4 May 2001 21:16:25 EDT
From: NOBN@aol.com
To: qrp-1@lehigh.edu
Subject: [97689] Re: Maritime Mobile or Portable?
Message-ID: <85.a9f5645.2824ae69@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Thanks for all the fun responses, guys. That was the intention. Not to get the thread going again, but how about /IMP for "Inland Marine Portable"?

Anyway, I can't wait to try it.

72/73,

Daniel n0bn

Date: Fri, 4 May 2001 18:12:09 +0100
From: Walter D Amos <walt_amos@juno.com>
To: qrp-1@lehigh.edu

Subject: [97690] OT: the \$2 dollar gallon is HERE !!
Message-ID: <20010505.014125.-192699.1.walt_amos@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

\$1.77 at Costco, but everywhere else in Englers relm (Michigan) the price is \$1.98 for regular.

So, who voted for DUBYA now ??

Not me!!

Did I say the white house smelled like HOUSTON no, not me.
:-)

Walt K8CV in Royal Oak, MI.

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Fri, 4 May 2001 21:01:46 -0500
From: "Jim" <n0ur@mn.mediaone.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [97691] FS: HW-7
Message-ID: <000901c0d507\$65d7c220\$1e572942@mn.mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have a HW-7 for sale. For some unknown reason, I felt I needed to buy it myself two weeks ago. Now that I have it, I am trying to remember why I bought it. I don't need it. It is in very good shape, and seems to work fine....well for a HW-7. I will let it go for \$45, just what I paid for it, and I will ship. I will also consider any interesting trade

Date: Fri, 4 May 2001 22:25:30 -5
From: "Bill Kelsey - N8ET - Kanga US" <kanga@bright.net>
To: qrp-l@Lehigh.EDU
Subject: [97692] FOXX3, DK9SQ, R2Pro, Kanga Web Page Updates

Message-ID: <20010505022359.MNST23469.invictus@n8et>

MIME-Version: 1.0

Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7BIT

I have done some more updates to my web page while I am getting ready for Dayton.. There have been some specials on the page for the past month, and several of you have taken advantage of them. Those that have will notice the list is a lot shorter now - I have sold out of several items!

<http://www.bright.net/~kanga/kanga/specials.htm>

The FOXX3 part of the page has some pictures of a 20 meter version as I assembled it. The FOXX3 comes with the best documentation I have ever seen in a Kanga kit. It is built and tested stage by stage. John is doing a super job updating the Kanga line of kits.

http://www.bright.net/~kanga/kanga/foxx_3.htm

I also have info on my site about the new DK9SQ all band "folded" vertical. It uses the DK9SQ mast for support, and covers all bands 80 - 10 without a tuner. It has jumpers at key spots, and depending on how the jumpers are set, is a 1/4 or 3/4 wavelength on each band. It will be available at Dayton from DK9SQ, or from Kanga after Dayton.

http://www.bright.net/~kanga/kanga/folded_vertical.htm

I also now have all I need to finish the R2Pro kit. The PC boards are on order, and I should have them by Dayton. I doubt I will have all the parts by then, but I will be able to price the R2Pro and can take orders at Dayton. Rick has promised me an operational prototype for demo at Dayton. I expect to ship sometime in June.

Nothing new on my web page about the R2Pro - yet.

I will also have a Hands RDX109 at Dayton

I will be unavailable to answer e-mail from May 7 - 14, and then I will be scrambling to finish Dayton preparations, so I will be pretty much shut down except for "emergency" orders and queries between now and May 21. Hope to see a lot of you at Dayton.

73 - Bill - N8ET

Kanga US

kanga@mail.bright.net

<http://www.bright.net/~kanga/>

419-423-4604

Date: Fri, 4 May 2001 21:01:10 -0600
From: William R Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [97693] OT: the \$2 dollar gallon is HERE !!
Message-ID: <20010504.210110.-439817.3.w5xe@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Those comments are not appropriate for this medium,
if you want to lay blame, it certainly did not occur within
the past 3 1/2 months but was set forth in the past few
years.

"The more I see of the representatives of the people,
the more I admire my dogs." letter from Count d'Orsay
Ray Colbert, W5XE, OOTC#3618, SOWP#1064M NARTE-NCT2
FP# 111, SOC#78, QRP-ARCI 5784, El Paso, (FAR WEST) TEXAS

GET INTERNET ACCESS FROM JUNO!
Juno offers FREE or PREMIUM Internet access for less!
Join Juno today! For your FREE software, visit:
<http://dl.www.juno.com/get/tagj>.

Date: Fri, 4 May 2001 20:47:12 +0100
From: "Tony Fishpool" <g4wif@btinternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [97694] Re: Help, I've nothing to build!
Message-ID: <009e01c0d4d3\$04daa5c0\$4f6d01d5@LocalHost>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Aside from the NC20, most rigs I've built have ranged from simple to
average performance. The SMK-1 was a simple design but as Doug
said, it not only proved SMD kits (and construction) were feasible,
but it made us all believers that we could "do" surface mount
with simple tools.

However, here's another perspective on why we continue to build. I'm
probably not alone in the buzz I get from a new homebrew rig bursting

into life. Heck, the "Two Dollar Regen" I put together for the Hamcom construction contest gave that thrill, and not just because Doug had to buy me a dinner on the strength of it :-)

I don't see how this becomes a "building craze that's strange", but then on the other hand, when my wife says "why do you need another radio?", it's sometimes hard to come up with a convincing answer.

So while the Jim Kortge's of this world ("we're not worthy" **) break new ground with superb designs which you could also mount in the Tate Gallery, many just build 'cos it's fun - and that's reason enough.

Kind regards
Tony - G4WIF

** You had to be at Atlanticon to get the joke!

Date: Fri, 04 May 2001 23:31:06 -0400
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [97695] Harbor Freight Metal Brake
Message-ID: <3AF373FA.F1AADBA0@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I got my metal bender from Harbor Freight this week. It's packed in an oily substance. I know this is slightly off topic but I was wondering what might be the best way to clean this goop up?

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Fri, 4 May 2001 22:51:43 -0500

From: "Don Wines" <dwines@tyler.net>
To: "QRP-L LIST" <qrp-l@lehigh.edu>
Subject: [97696] QRPTTF Results from NETXQRP
Message-ID: <011e01c0d516\$b3e06bc0\$c9064c42@gateway>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Gang,

The results of North East Texas QRP Club's (KN5TX) effort in the QRPTTF can be viewed at <http://www.netxqrp.org>. A few pictures of the operation and QSL info can be found there. Just follow the link at the top of the page.

72

Don, K5DW
k5dw@arrl.net
QRP-L #2083 QRP-ARCI #10145 NETXQRP #3
Visit the NETXQRP Web Site at <http://www.netxqrp.org>

Date: Fri, 4 May 2001 21:50:38 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Bob Nielsen <nielsen@oz.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [97697] Re: IRCs and \$\$\$
Message-ID: <Pine.LNX.4.33.0105042149330.20901-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The last time I purchased a new IRC here in Canada, I paid \$3.50 Cdn for it at the post office....that was at least 5 years ago.....hate to think what they want them now eh!?!.....hi hi....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
K2#2032 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Fri, 4 May 2001 22:09:22 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>

To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [97698] QRP:solar power
Message-ID: <Pine.LNX.4.33.0105042200500.20901-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

We have 4 amateurs so far who are interested in an exchange of knowledge and experience so we all can learn the basics of powering our rigs with this source....I would suggest the SUBJECT line be as above so those who are interested can pick the postings out easily and those not interested can DELETE...I'll wait a couple more days for anyone else to let me know that they are interested...then we can begin our exchange of ideas and experience...back later folks...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
K2#2032 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

Date: Fri, 4 May 2001 21:18:46 -0700
From: Bob Nielsen <nielsen@oz.net>
To: "T.J. SKIP Arey N2EI" <tjarey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [97699] Re: Harbor Freight Metal Brake
Message-ID: <20010504211846.A9716@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

On Fri, May 04, 2001 at 11:31:06PM -0400, T.J. SKIP Arey N2EI wrote:
> I got my metal bender from Harbor Freight this week. It's packed in an
> oily substance. I know this is slightly off topic but I was wondering
> what might be the best way to clean this goop up?

I never tried it myself, but have heard of kerosene being used to clean off these types of coatings. It supposedly will not harm the steel.

72, Bob

--
Bob Nielsen, N7XY
Bainbridge Island, WA
IOTA NA-065, USI WA-028S
nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Fri, 4 May 2001 21:55:06 -0700
From: "John Moriarity" <k6qq@hdo.net>
To: <nielsen@oz.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [97700] Re: Why do QRPers Build?
Message-ID: <009001c0d51f\$a02bc760\$f6414cd1@k6qq>

> I remember K7KI telling me after he had retired that he couldn't
figure
> out how he ever had time to go to work. I thought he was kidding
until
> I retired and found out it was true!
>
> 72, Bob N7XY

Ain't that the truth!!

As someone said: "The good Lord put me on this earth to
accomplish a certain number of things. At this rate, I'm
never gonna die!"

72,

John, K6QQ

Date: Fri, 4 May 2001 23:31:15 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [97701] SST Sidetone too LOUD!
Message-ID: <015d01c0d524\$9b15a5c0\$6a211d82@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I just finished building a HB 20m SST and can't seem to tame the sidetone.
My ears are stilling ringing from a very loud side tone! The keyline and
diode seem to be working but I think I need more limiting or less signal
back into the RX.

Any tips or mods or suggestions?? TIA ~Steve/n0tu~

Date: Sun, 6 May 2001 00:49:38 -0500
From: "Mike Malone" <mmalone@worldlogon.com>
To: <tjarey@home.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [97702] Re: Harbor Freight Metal Brake
Message-ID: <00a801c0d5f0\$57e274a0\$6bf5a7cc@malone-family>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The slime substance is cosmoline and Remington firearm barrel cleaning spray takes it off like gangbusters. Put it on newspaper on the driveway and let it have it... you need to let it soak. Carb cleaner will also work but takes some scrubbing.

>I got my metal bender from Harbor Freight this week. It's packed in an
>oily substance. I know this is slightly off topic but I was wondering
>what might be the best way to clean this goop up?

Date: Fri, 04 May 2001 22:47:57 -0800
From: Jim Larsen AL7FS <AL7FS@pobox.alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [97703] AL7FS to do some casual operating at KL7Y Saturday.
Message-ID: <3AF3A21D.AD34C386@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I hope to do some relaxed operating at KL7Y Saturday. I am hoping he got the 30 meter antenna working so I can check it out later in the day. Flea Market first and then about 2030-2130Z I will head over to Dan's.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
mailto:al7fs@arrl.net - <http://www.qsl.net/al7fs/>

Date: Sat, 5 May 2001 01:01:45 -0700 (PDT)
From: "Robert P. Okas" <vintage@best.com>
To: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [97704] Re: Harbor Freight Metal Brake
Message-ID: <Pine.BSF.4.21.0105050054440.24007-100000@shell14.ba.best.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Skip,

Simple Green is what the machinist uses at my client. It did a fine job at removing the cutting oil from a pre-finished LMB case I had him machine and it didn't damage the paint. On the other hand, the oil on your brake is probably there to inhibit rust. You might want to spot clean it and leave the exposed bare metal dressed with this stuff.

73,
Bob - W3CD

On Fri, 4 May 2001, T.J. "SKIP" Arey N2EI wrote:

> I got my metal bender from Harbor Freight this week. It's packed in an
> oily substance. I know this is slightly off topic but I was wondering
> what might be the best way to clean this goop up?

> --

> ++++++

>

> T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

>

> Website <http://members.home.net/tjarey>

>

> Snail Mail: PO Box 236, Beverly, NJ 08010

>

> Specialization is for insects! LAZARUS LONG

>

Date: Sat, 5 May 2001 10:37:46 +0100
From: Euramcom <mel@euramcom.freemove.co.uk>
To: <qrp-1@lehigh.edu>
Subject: [97705] OT FINAL! \$2 gallon
Message-ID: <E14vyao-0007uv-00.2001-05-05-10-43-14@mail2.svr.pol.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Hi gangue,

Opened a big debate there. My apologies to the list, it was= intended as a one-off comment in reply to a mention in the list.

If I have offended thee yet again, then cast me out using thine filters! (GRIN)

Meantime, I'll still be here, but would ask the thread be= finished now? Post DIRECT with any more comments.

Regards

mel

--72 and 73 de Mel Evans, e-mail mel@euramcom.freeserve.co.uk

Mel Evans GM6JAG Edinburgh Scotland
Home of the last HW9

Visit <http://www.euramcom.freeserve.co.uk> for
US Euro Ham Radio Equivalent Parts and info,
Add-a-Link page let's you add your own pages instantly

Date: Sat, 05 May 2001 05:47:17 -0400
From: ae5x@netscape.net (John Harper AE5X)
To: n0tu@webaccess.net
Cc: qrp-1@lehigh.edu
Subject: [97706] Re: SST Sidetone too LOUD!
Message-ID: <4B87464E.02E8E057.00003ABB@netscape.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"

n0tu@webaccess.net wrote:

>
> I just finished building a HB 20m SST and can't seem to tame the sidetone.
> Any tips or mods or suggestions?? TIA ~Steve/n0tu~
>

Steve,

I have the sidetone mod from the rigs' designer (N6KR) on my page at:<http://www.qsl.net/ae5x/mods.html>

73,

--

John Harper AE5X

Outdoor QRP: <http://www.qsl.net/ae5x>

Get your own FREE, personal Netscape Webmail account today at <http://webmail.netscape.com/>

Date: Sat, 5 May 2001 02:40:17 +0100
From: Walter D Amos <walt_amos@juno.com>
To: qrp-1@lehigh.edu
Subject: [97707] Fw: RE: N8we Maritime Mobile or Portable?
Message-ID: <20010505.115017.-196015.9.walt_amos@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

What about if you are on a CAR FERRY

are you FERRY MOBILE

or FAIRY MOBILE :-)

Walt K8CV in Royal Oak, MI.

----- Forwarded message -----

From: "Charles Mabbott" <crmabbott@mediaone.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Date: Fri, 4 May 2001 16:11:28 -0400
Subject: RE: N8we Maritime Mobile or Portable?
Message-ID: <GAECLOGOMILPLBGKKPEGEEIECHAA.crmabbott@mediaone.net>

It would seem when your in a car you are mobile,
when you are setup in a field you are portable,
so it stands to reason in a boat [floating as
opposed to sunk] you are maritime mobile.
On the otherhand I imagine a submarine is
maritime mobile to.

Just my .02

73,
Chuck AA8VS

GET INTERNET ACCESS FROM JUNO!

Juno offers FREE or PREMIUM Internet access for less!

Join Juno today! For your FREE software, visit:

<http://dl.www.juno.com/get/tagj>.

Date: Sat, 05 May 2001 11:55:47 -0400

From: Bill Meara <n2cqr@clix.pt>

To: qrp-l@Lehigh.EDU

Subject: [97708] 17 Meter DSB rig - Background

Message-ID: <3.0.6.16.20010505115547.2d371c2a@pop.clix.pt>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I'll be posting progresss reports on this project. I neglected to post the first two reports to QRP-L -- Here they are. Stay tuned!

24 April 2001:

I feel the urge to melt solder. And I want to build a "phone rig."
I've always wanted to get on 17 meters (no contests!). I can listen to that band on my Drake 2-B. Here's my plan:

Solid State Double side band suppressed carrier TX based on Doug DeMaw's circuits. Very simple. Sort of a direct conversion transmitter. The oscillator will be on the transmit frequency. I think I'll start out with a VXO (I have the rock). Solid State PA.

I'm going to start out just building a transmitter. I'll build the oscillator first, then the DSB generator. Finally (!) the PA. I'm going to leave room in the cabinet for receive circuitry. It would be very easy (and sort of appropriate) to build a matching direct conversion receiver, but I've had bad luck with them and may decide to build a real superhet RX and make the final rig a Transmitter - Receiver (not a transceiver).

I have an old Bud cabinet that's about the right size. I'm thinking of using the Manhattan technique on the circuit boards.

What do you guys think? Anyone out there built this kind of rig?

28 April 2001

I stopped off at a hardware store yesterday and bought some super

glue. This morning I used it to build the first stage of the 17 meter DSB rig: the Variable Crystal Oscillator. I used the circuit from Doug DeMaw's "Barebones superhet" (June 82 QST) Very simple. I used a MPF102 instead of the 40673. The stage went together very quickly - Manhattan style is the way to go! I'd been listening to 17 meter SSB as I worked. It was very satisfying when, at the end of the morning, I connected a 12 volt battery to the circuit board and heard my new oscillator through the receiver. I got very good "swing" in the crystal -- -lloks like > 20 Khz.

I think I'll build a direct conversion RX to go with this rig -- this way I'll be listening to both sidebands at the same time and will be better able to avoid interfering with nearby stations.

73 de CU2JL (aka N2CQR)
Bill Meara
Sao Miguel Island,
The Azores, Portugal
<http://planeta.clix.pt/n2cqr>

Date: Sat, 5 May 2001 06:04:44 -0600 (MDT)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Bruce Ratray <rattray@gpfn.sk.ca>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [97709] Re: QRP:solar power
Message-ID: <Pine.LNX.4.33.0105050550370.1263-100000@localhost.localdomain>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hello Bruce, I have a 75 watt Seimans solar panel mounted on the roof of my 23 foot Airstream trailer. It's not aimed for max power but more on that later.

With ANY solar panel you must have a regulator. This regulator protects the battery from over charging.

The 75 watt panel and a regulator will cost about \$400.00 today. What do you get for this? Everything!

I camp at primitive camp sites like Fort Tuthill QRP camp and a much less known place called the Gila National Forest Willow Creek Campground. There is no electricity or telephone or piped water there. I camp near "Little Turkey Creek" and scoop water from that and put it in the trailer for cooking and bath...

The water system has a pump and I run a Kenwood TS-50 and a laptop computer all from the single trailer battery. I plan again to run Field Day from the trailer and the solar panel keeps the battery full! Working the radio all night is a drain but it recovers fast in the hot morning sunshine. I never run out of battery. It's just wonderful and a solar panel is very quiet! Used to carry a 800 watt Honda generator. That's now rusting away in the garage.

On Fri, 4 May 2001, Bruce Rattray wrote:

```
> We have 4 amateurs so far who are interested in an exchange of knowledge
> and experience so we all can learn the basics of powering our rigs with
> this source...I would suggest the SUBJECT line be as above so those who
> are interested can pick the postings out easily and those not interested
> can DELETE...I'll wait a couple more days for anyone else to let me know
> that they are interested...then we can begin our exchange of ideas and
> experience...back later folks...
>
> ..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
> K2#2032 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
> "QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"
>
>
```

--

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sat, 5 May 2001 03:39:36 -0400 (EDT)
From: n2go@arrl.net
To: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [97710] Re: Harbor Freight Metal Brake
Message-ID: <Pine.LNX.4.21.0105050338190.954-1000000@valhalla.v>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Use Brake Cleaner from the autozone or what ever chain in your area. Brake rotors and drums have the same preservative on them. Get a roll of paper towels and some rubber gloves and go at it.

73,

Jim n2go

Date: Sat, 05 May 2001 12:29:48 -0400
From: Bill Meara <n2cqr@clix.pt>
To: qrp-1@Lehigh.EDU
Cc: homebrew@qth.met
Subject: [97711] 17 Meter DSB Rig: Balanced Modulator
Message-ID: <3.0.6.16.20010505122948.3d2f226a@pop.clix.pt>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

There has been steady progress on my 17 meter DSB rig.

With the VX0 completed (or so I thought!) I moved on to the microphone amp and the balanced modulator. The mic amp was a 741 op amp -- construction and testing were uneventful. I used Manhattan style construction -- the chip was crazy glued to the board, leads up.

The balanced modulator went together very well. Given that I'm 900 miles from the nearest electronics store, I was very pleased to find that I had all the needed components in my junk box. I used hot carrier diodes (that a FB member of the NOVA QRP club had been giving away a club luncheon). I picked two that had forward resistances that were very close. I didn't have the 250 ohm balancing pot that Doug DeMaw's circuit called for, so I used a small 2K pot with an appropriate fixed value resistor across it. I tried to keep the physical layout of the balanced modulator symmetrical.

A problem cropped up when I tried to test it. When I connected the VX0 to the L0 in port of the modulator, the VX0 shut down. I played around with some of the feedback circuit values, but no joy. So I just used some of the extra space on the VX0 board to build a simple JFET amplifier circuit (really just for isolation). This solved the problem.

I could now test the balanced modulator. Putting an RF probe (to a DMM) at the modulator's output, I turned on the VX0 and tried to see if I could balance out the carrier. Worked like a charm! Just about in the center of the pot's movement, output dropped to near zero. Then, to see if an incoming audio signal would UN-balance it, I injected some noise into the mike in port. Output jumped considerably.

Next I built the first RF amp stage, just a simple class A amp using a 3904 transistor. I goofed by getting the collector and emitter confused (it didn't amplify too well that way!) but once I got it straightened out, I was getting the desired gain.

Then came the cool part of the morning: I connected a microphone to the modulator and a six foot piece of wire at the output of the RF AMP. I tuned my Drake 2-B to the output freq. Then I balanced out the carrier. Then I spoke into the mic. DSB through the Drake 2-B. I could hear some RF getting into the input, but other than that it sounded pretty good! Some shielding will take care of the RF problem.

NEXT STEP: PA. I'm looking for a circuit that doesn't require any exotic parts (defined as parts not currently in my junk box -- some of those toroidal cores used by W1FB are just not on hand). Any suggestions?

Also, I'm short on 1 mH RF chokes. Any thought on how I can wind my own?

73 de CU2JL (aka N2CQR)
Bill Meara
Sao Miguel Island,
The Azores, Portugal
<http://planeta.clix.pt/n2cqr>

Date: Sat, 5 May 2001 08:17:34 -0500
From: "Brian Murrey" <bmmurray@amexol.net>
To: <PTSMANTUA@aol.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [97712] Re: Solar Power
Message-ID: <002501c0d565\$c099ec20\$8e372bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Check out an article called "My Solar Stuff" in the Flying Pigs QRP Club newsletter for May 2001. Rick WB6JBM describes his setup pretty well.

<http://www.fpqrp.com/>

Click on Bacon Bits and check the May issue

----- Original Message -----
From: <PTSMANTUA@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Friday, May 04, 2001 7:15 PM
Subject: Re: Solar Power

> I would like to be part of the learner group.
>
> Have 3 panels, 2 at 3.9 A, 18V full sunlight, and a smaller one trickling

to
> a pair of 7.2V Sealed Lead Acid Batteries.
>
> Really interested in a charger circuit that would handle say 10A, with a
lot
> of features to build.
>
> de Phil
>
> KF8JW
>

Date: Sat, 5 May 2001 08:38:51 -0500
From: "Brian Murrey" <bmmurray@amexol.net>
To: "pigs" <fpqrp-l@mpna.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [97713] Flying Pigs QRP Nooner!!
Message-ID: <00a901c0d568\$b91bdd20\$8e372bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Today is the day!

At 1600 UTC and for 4 whole hours...the Flying Pigs QRP Club will be running
their first contest. "The Flying Pigs Nooner" !!

I'll be Multipig #5 today and will start on 15m and work my way
down....depending on condx. BTW, I'm worth 100 bonus points. OINK!

Hope to work a bunch of FP's as well as non FP's!

72

<http://www.fpqrp.com/fpqrpqsp.html>

=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Member of the American Radio Relay League - SOC #400
FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====

Date: Sat, 05 May 2001 14:20:49
From: "Mike WA8BXN" <hubby2k@hotmail.com>
To: n2cqr@clix.pt, qrp-1@Lehigh.EDU
Subject: [97714] Re: 17 Meter DSB rig - Background
Message-ID: <F87UzmRf6Ci6nx8dyDd00001445@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

I built a 75 M version of that DSB circuit and it does work well. I have read however that it is difficult to copy DSB on a direct conversion receiver for some reason (you need to be on the exact freq and in exact phase it said) but have not yet actually tried it. I used a vfo on 75 M with plenty of buffering and it seemed stable enough. I look forward to hear of your continuing adventures!
72/73 - Mike WA8BXN

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sat, 5 May 2001 10:30:30 -0400
From: "Alan Fryer" <qrpdx@earthlink.net>
To: <qrp-1@lehigh.edu>
Subject: [97715] FS: K1EA Voice Board
Message-ID: <002701c0d56f\$f0d745e0\$74c3323f@hppav>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale: K1EA Voice Board, new in box, never used. Full manual available on-line. Save your voice breaking those pileups and running contests with 5 watts !

\$125 shipped or trade for DSW-30 or ??

Alan, N3BJ
Bent Mountain, VA

Date: Thu, 3 May 2001 23:02:51 -0700
From: "Kevin Asato" <kevin.k.asato@worldnet.att.net>
To: <jeffj@notachance.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97716] Re: QRP ATV Circuit Schematic Help Needed
Message-ID: <009a01c0d45f\$dbe9fb20\$8201a8c0@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rudolf Grafs and Williams Sheets of North Country Radio have published a book which contains schematics of ATV transmitters and receivers which they also sell. Book reference is "Incredible Audio & Video Projects You Can Build", TAB Books, 1994. There is also a schematic published on their website for a 440 band ATV transmitter. The intent of publishing the schematic is obviously to get you to buy their kits - not a bad idea. I have no idea of the quality of their products as I have not built anything of theirs. It does look perfectly functional, I just have not built or used them.

Kevin K. Asato
KC6POB
ADC (PairGain) Tech Support
800.638.0031 / 714.730.3222 (tel)
714.730.2400 (fax)

----- Original Message -----

From: Jeff <jeffj@notachance.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Wednesday, May 02, 2001 7:46 PM
Subject: QRP ATV Circuit Schematic Help Needed

> Hiya! Can anyone on the list point me to where I might can find a
> schematic for a ATV transmitter that operates in the 432MHz range? I know
> that I can buy commercial units and that there are many folks selling such
> units for 'spy cameras' (which really gripes me since they operate in
> 'our' spectrum but I would like to try to build my on micro transmitter.
> If anyone knows of a schematic or can help me create one, I would be
> extremely grateful!

>
> 73 de Jeff W4JEF

>
> -- Reserve Deputy Chief Jeff Johns - W4JEF --
> -- Jefferson County Sheriff's Department --
> -- B'ham, AL USA jeffj@notachance.com --
>

>

Date: Sat, 5 May 2001 11:21:04 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, <fpqrp-1@fpqrp.com>
Subject: [97717] NOONER contest
Message-ID: <003101c0d577\$005aa960\$62911b41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey gang,

10 meters is open. Just got the noise blanker done for the MP20, so now I can use 10 meters and not hear the electric fence down the road.

Look for MP#1 in the contest on 10,20 and 40 in that order.

Exchange for the NOONER contest is RST STATE (Q 1-5W or P < 1W for power level) and number; If the number is sent with a "P" as in "NR(P)1" then you just worked multiPIG #1 for an extra 100 points.

My exchange will be "559 OH Q NRP1"

Good luck PIGS et al...CONTEST starts at 1600Z (NOONer EDT)

<http://www.fpqrp.com/fpqrpqsp.html>

72 - Diz, W8DIZ FP#-1

Date: Sat, 5 May 2001 11:26:27 -0400
From: "Howard Kraus" <K2UD@adelphia.net>
To: <nielsen@oz.net>
Cc: <qrp-1@Lehigh.EDU>
Subject: [97718] Re: Harbor Freight Metal Brake
Message-ID: <001701c0d577\$c113d1e0\$82603018@buf.adelphia.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bob,

I would hesitate from removing the oily substance completely, unless it interferes with the normal operation of the brake. This is likely applied to prevent rust.

I would simply wipe it down with dry rags, and always try to keep a certain layer of it on after use to prevent that same rusting. A product that I use on metal products of all kinds is RIG standard rust inhibiting grease. Applied with a sheepskin rag (RIG rag), it will greatly help prevent or severely slow down the process of rust on steel parts. I use it on guns, tools and other steel parts: especially items that are stored in a "moist" area.

GL es 72

Howard Kraus, K2UD

Date: Sat, 05 May 2001 09:37:35 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>, <rattray@gpfn.sk.ca>
Subject: [97719] Re: Solar Power - Quick and DIRty
Message-ID: <B7197A5F.92A0%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Bruce - I use the following "quick and dirty" set up for my solar powered to the field rig.

I have a solar panel that puts out 18.5 volts open circuit and about 275 mA of current (short circuit).

To power my OHR Classic in the field, I use a 7 Amp Hour Gel Cell lead acid cell. Gel cells (and lead acid cells in general) can not stand prolonged periods of over charging at voltages higher than 2.5 V/cell (15 V for a 12 V cell). Hence, I put a 15 V Zener across the battery to protect it. On the suggestion of Brian, K7RE, I use alligator and crocodile clips on everything. This eliminates carrying a bunch of different adapters around. Just clip everything to the battery. Quick, dirty and it works well.

A second setup I use with my solar panel is a 1.8 AH hour NiCd cell. Most NiCds can be charged at 0.1 C (where C is the charge capacity or "Amp hour" rating of the battery) for long periods of time even after a full charge has been reached without significant damage. With my solar panel and the OHR Classic attached to the battery the net charge rate pretty much is less than

0.1 C, so the battery is charged without damage and without a controller!!
Solar cells act pretty much like constant current sources.

A small voltmeter across the battery is very useful. Avoid overcharging the battery or over discharging the battery. Following the guidelines above will avoid overcharging. Stop operating when the battery voltage reaches 10.25 V, and you will avoid over discharging the battery. Radio Shack and Harbor Freight both sell "throw away" digital multimeters for less than \$15 which are ideal for this application.

Fully charge your batteries before you go to the field. Fully charge them after you return. Store them fully charged.

These are not rigorous engineering solutions to a permanent solar installation. I am not a rigorous engineer. They work fine for field operations, or to get you started with solar powered ham radio in the backyard.

Operating a rig you built with solar power is quite rewarding. It is a positive statement about the independence of the operator/builder. The ability to communicate with something you built yourself, with power you get "free" from the sun is impressive not only to the user, but also to family, friends, and onlookers. It is a positive statement about ham radio to the public. It is a better way to improve your self image than all the self help books on the shelf in the bookstore. Smile like a turkey.- Dr. Megacycle
KK6MC/5

--

James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sat, 5 May 2001 10:21:23 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Ted King <tking@lks.net>
Cc: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [97720] Re: QRP: Solar Power
Message-ID: <Pine.LNX.4.33.0105051019000.28517-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

SUPER Ted!....I think our group is at 8 now, so thanks very much....I'll wait a few more days and then we'll begin our discussions and exchange of information....built-in regulator?, now that's nice...back later OM!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
K2#2032 A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

On Fri, 4 May 2001, Ted King wrote:

> Count me in on this discussion Bruce, et al. I purchased a solar panel
> intended for my boat, but now want to use it for portable ops. The
> regulator issue has been a concern. My panel is supposed to have it
> built in, but I've not tested it. Now you've given me a challenge to
> get moving on what I've been procrastinating.
> 73/Ted/ve3ful
>

Date: Sat, 5 May 2001 10:56:43 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [97721] Soldering @ 1AM
Message-ID: <01b801c0d584\$5d2cf280\$6a211d82@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Did you ever wanna party and no one's around!
Stayed up late last night trying to squeeze some RF outa my 20m from-scratch
SST (SSST) Finally the watter wiggled some joy. I immediately went stalking
that first QSO but all I heard was DX (nutz!). F5 GM3, UAs and not one of
them was QRP or seemed to have any interest my 1500mW and low dipole.
(sigh!)

First QSO
What a contrast, morning yielded excellent conditions(1300z) on 20m.
Snagged w4ye/m - Bud who was mobiling down the road
w/IC706-5w(passenger-seat op). Had a solid copy 20 minute rag chew - WOW! I
couldn't believe I was using this pile of soldered parts to chat with a QRP
buddy on the east coast!(now this is really cool!) Followed that w/another
fun Q with n5uz/Rick who was also running a SST. But his was a Wilderness
SST the real one! (hmm, I think my SSST is may be a little more real than
his(..he he)) Finally made a scheduled QSO w/bro-in-law ac7ma/Rich who was
using his 'SSST' for a 2-way SSST/Q! ABSOLUTELY incredible!!! (woohoo)

Why do QRPers build?

For the joy of that first QSO is my motivation! And the sheer pleasure I get
when I use a rig knowing I rolled it from scratch. It's one of the best

legal highs going. It takes me back to the 'real magic' and the basis for this hobby. All I know is it's REAL FUN! And when that magic dies it's time to go for hike.

Side effects?

I'm already scrounging parts for my next big challenge ...a Binaural Receiver. I figure this would be a good mate for a TT2 maybe w/VF0. My wife thinks I'm over the edge. All the home improvement projects around here keep stacking up with no end in sight. She wishes I could find the 'magic' in finishing the basement.<g>

~Steve/n0tu~

Date: 5 May 2001 12:13:49 EST
From: Michael Goins <mgoins@usa.net>
To: qrp-l@lehigh.edu
Subject: [97722] 9M6CT @ 18.125.0
Message-ID: <20010505171349.10157.qmail@aw163.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable

Phil on Borneo is 59 in Texas at 1713. Worked him with 1 watt. =

mike
wb5yjsx

Get free email and a permanent address at <http://www.amexmail.com/?A=3D1>

Date: Sat, 05 May 2001 11:11:57 -0700
From: "Gary R. Hanson" <hansongr@uts.cc.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [97723] IRF510 Pinout?
Message-ID: <3AF4426D.FCFF6F1C@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi gang,

I'm building the NB6M miniboot RF amp and can't seem to find the physical pin out for the MOSFET IRF510 transistor. Any hints of where

to look??? I have most of the QRP "classic" publications as well as most of the QRP journals, but this old foggy gray matter can't remember where I last saw it.

When I have it lying on the workbench face up, what are the three leads from left to right???

Gate Source Drain?

Thanks,

Gary, KJ5VW

Date: Sat, 5 May 2001 13:14:01 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "QRP-L" <QRP-L@lehigh.edu>
Subject: [97724] SSST & L/C Pill Bottle
Message-ID: <023401c0d597\$8b898f40\$6a211d82@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here's a pic of my final 'ugly-hattin' Scratch 20m SST awaiting packaging. It works!!!! Rolling ur own is sure fun! And it's not hard!

<http://www.webaccess.net/~s&p/images/SSST.jpg>

This little pill bottle LC tuner I've been experimenting with offers some fun possibilities. The L and C (mini variable cap in the lid) are brought out to the binding post so you can mess w/any possible ant combo you might run into. I haven't had a chance to run it through a field test yet other than a loading a 50' piece wire around the room.

<http://www.webaccess.net/~s&p/images/lc%20meds.jpg>

Cheers ~Steve/n0tu~

Date: Sat, 5 May 2001 13:34:42 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "Michael Goins" <mgoins@usa.net>
Cc: "QRP-L" <QRP-L@lehigh.edu>
Subject: [97725] Re: [SSST & L/C Pill Bottle]
Message-ID: <026601c0d59a\$6f8d8780\$6a211d82@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

<http://www.webaccess.net/~s&p/images/lc%20meds.jpg>

-----Original Message-----

From: Michael Goins <mgoins@usa.net>
To: n0tu@webaccess.net <n0tu@webaccess.net>
Date: Saturday, May 05, 2001 1:29 PM
Subject: Re: [SSST & L/C Pill Bottle]

Nice work. Couldn't find the tuner pic.
mike

"Steve/n0tu" <n0tu@webaccess.net> wrote:
Here's a pic of my final 'ugly-hattin' Scratch 20m SST awaiting packaging.
It works!!!! Rolling ur own is sure fun! And it's not hard!

<http://www.webaccess.net/~s&p/images/SSST.jpg>

This little pill bottle LC tuner I've been experimenting with offers some fun possibilities. The L and C (mini variable cap in the lid) are brought out to the binding post so you can mess w/any possible ant combo you might run into. I haven't had a chance to run it through a field test yet other than a loading a 50' piece wire around the room.

<http://www.webaccess.net/~s&p/images/lc%20meds.jpg>

Cheers ~Steve/n0tu~

Get free email and a permanent address at <http://www.amexmail.com/?A=1>

Date: Sat, 5 May 2001 13:38:29 -0600
From: "Steve/n0tu" <n0tu@webaccess.net>
To: "Michael Goins" <mgoins@usa.net>
Cc: "QRP-L" <QRP-L@lehigh.edu>
Subject: [97726] Re: [SSST & L/C Pill Bottle]
Message-ID: <026d01c0d59a\$f6a0ff40\$6a211d82@sg2939h.col.hp.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry I guess no spaces in file names is the cure.

Here's the tuner. Pretty basic.

<http://www.webaccess.net/~s&p/images/lcmeds.jpg>

Steve/n0tu

-----Original Message-----

From: Michael Goins <mgoins@usa.net>
To: n0tu@webaccess.net <n0tu@webaccess.net>
Date: Saturday, May 05, 2001 1:29 PM
Subject: Re: [SSST & L/C Pill Bottle]

Nice work. Couldn't find the tuner pic.
mike

"Steve/n0tu" <n0tu@webaccess.net> wrote:
Here's a pic of my final 'ugly-hattin' Scratch 20m SST awaiting packaging.
It works!!!! Rolling ur own is sure fun! And it's not hard!

<http://www.webaccess.net/~s&p/images/SSST.jpg>

This little pill bottle LC tuner I've been experimenting with offers some fun possibilities. The L and C (mini variable cap in the lid) are brought out to the binding post so you can mess w/any possible ant combo you might run into. I haven't had a chance to run it through a field test yet other than a loading a 50' piece wire around the room.

<http://www.webaccess.net/~s&p/images/lc%20meds.jpg>

Cheers ~Steve/n0tu~

Get free email and a permanent address at <http://www.amexmail.com/?A=1>

Date: Sat, 5 May 2001 14:35:11 -0500
From: "Brian Murrey" <bmmurrey@amexol.net>
To: <n0tu@webaccess.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [97727] Re: SSST & L/C Pill Bottle
Message-ID: <002f01c0d59a\$81383c00\$d3382bd1@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Ur SST looks GREAT!!

What are you going to pack it in?

----- Original Message -----

From: "Steve/n0tu" <n0tu@webaccess.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, May 05, 2001 2:14 PM
Subject: SSST & L/C Pill Bottle

> Here's a pic of my final 'ugly-hattin' Scratch 20m SST awaiting packaging.
> It works!!!! Rolling ur own is sure fun! And it's not hard!
>
> <http://www.webaccess.net/~s&p/images/SSST.jpg>
>
> This little pill bottle LC tuner I've been experimenting with offers some
> fun possibilities. The L and C (mini variable cap in the lid) are brought
> out to the binding post so you can mess w/any possible ant combo you might
> run into. I haven't had a chance to run it through a field test yet other
> than a loading a 50' piece wire around the room.
>

> http://www.webaccess.net/~s&p/images/lc%20meds.jpg

>

>

> Cheers ~Steve/n0tu~

>

>

>

>

Date: Sat, 05 May 2001 14:40:01 -0500

From: Dave Sjolin <sjolin@swbell.net>

To: hansongr@uts.cc.utexas.edu, Qrp-l Reflector <qrp-l@Lehigh.EDU>

Subject: [97728] Re: IRF510 Pinout?

Message-ID: <3AF45711.A7763BB7@swbell.net>

MIME-version: 1.0

Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7bit

"Gary R. Hanson" wrote:

>

> Hi gang,

>

> I'm building the NB6M miniboot RF amp and can't seem to find the
> physical pin out for the MOSFET IRF510 transistor. Any hints of where
> to look??? I have most of the QRP "classic" publications as well as
> most of the QRP journals, but this old foggy gray matter can't remember
> where I last saw it.

>

> When I have it lying on the workbench face up, what are the three leads
> from left to right???

>

> Gate Source Drain?

The following is from the Norcal website in the section on the 38
Special which also used an IRF510 for power amp in one of the mods.

73 de Dave, N0IT

=====

=====

PIN-OUT

| 0 |

| | <--- Metal Flange (Drain)

ISOLATE FROM GROUND!!!

```

| 510 | <--- Plastic
| IRF |
|-----|

```

```

      |      |
      |_____|
      I I I
I I I  <--- Leads (Max. temp =
      I I I
      G D S

```

<http://www.intersil.com/data/fn/fn1/fn1573/FN1573.pdf>

Have fun!

From: "Gary R. Hanson" <hansongr@uts.cc.utexas.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Saturday, May 05, 2001 1:11 PM
Subject: IRF510 Pinout?

```
> Hi gang,  
>  
> I'm building the NB6M miniboot RF amp and can't seem to find the  
> physical pin out for the MOSFET IRF510 transistor. Any hints of where  
> to look??? I have most of the QRP "classic" publications as well as  
> most of the QRP journals, but this old foggy gray matter can't remember  
> where I last saw it.  
>
```

> When I have it lying on the workbench face up, what are the three leads
> from left to right???
>
> Gate Source Drain?
>
> Thanks,
>
> Gary, KJ5VW
>
>
>

Date: Sat, 05 May 2001 15:36:30 -0500
From: "Ed Manuel (N5EM)" <n5em@flash.net>
To: hqrp@stevens.com
Cc: qrp-1@lehigh.edu
Subject: [97730] Tek 547 Scope to good home
Message-ID: <4.3.2.7.2.20010505153415.00bd1100@pop.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Gang,

Anyone within driving range of Houston who wants a Tek 547 (think I got that right) I have one that MUST go.

This is BIG. Tube type, complete with scope cart! Works. If you are serious, I can take a digital photo for you. Got something YOU don't need to trade? QRP related, of course.

But, its got to go. I hate to put it out to the trash

Ed, N5EM
Houston, Texas
n5em@amsat.org

Date: Sat, 5 May 2001 16:57:08 -0400
From: "Ed Tanton" <n4xy@att.net>
To: <hansongr@uts.cc.utexas.edu>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [97731] RE: IRF510 Pinout?
Message-ID: <CKEGICNFDIMCEKEDCEHFMEIAHAAA.n4xy@att.net>

MIME-Version: 1.0
Content-Type: text/plain;
charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Gary... I have the pinout and data sheet available on my website page:
<<http://www.qsl.net/n4xy/hmbw1.html>>

73 Ed Tanton N4XY <n4xy@arrl.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

R-390: Motorola SN: 374;
R-390-A: Capehart SN: 2241
51S-1 WE SN: 4389
HRO-50; HRO-60; & HRO-500
SP600-VLF SP600-JX-17 SP-600-JX-21

Date: Sat, 05 May 2001 17:00:28 -0400
From: John Harper AE5X <ae5x@qsl.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [97732] [PROP] Propagation software
Message-ID: <000501c0d5a6\$6a795d80\$5b7abc18@johnharp>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

I was wondering if anyone has much experience using various propagation software that is available. I recently downloaded W6ELProp (from: <http://www.qsl.net/w6elprop/>) and have had only randomly accurate results with it. For example, at my current location and time, with the current solar index and K index plugged in, the program says I should hear VP8SDX on 12m. I can hear Europeans working VP8SDX but I can't hear the Falklands. I just finished working ET3VSC on 12m and the software says I have a 0-25% chance of hearing him at all, and then only weakly. We exchanged 5x7 reports.

The more I think about it, the more skeptical I get that a program could take as inputs the date, time, QTH, solar index and K index and from that give you an accurate representation of who you should be able to hear on the HF bands. Surely there are more parameters affecting propagation than those mentioned?

Anyone had any better (more consistent) results with this or another program?

John Harper AE5X
Outdoor QRP & Lowband DXing: <http://www.qsl.net/ae5x>

Date: Sat, 5 May 2001 16:18:42 -0500
From: Bill Stietenroth <k5zty@juno.com>
To: qrp-l@lehigh.edu
Subject: [97733] Flying Pigs QSO Party
Message-ID: <20010505.161846.-3894829.0.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Howdy to all the hardy ones.

Man, the sun has turned against us. Looks like the same bad conditions as last weekend. I was talking to Rich, W2VT, right before the start of the contest and it seemed like all was well. It started with a bang on 15 meters for about 20 minutes then went to pot. I made 34 Qs in the 4 hours and some of them were tough. Thanks to W8PIG for staying in there as a beacon or I would have thought my receiver was broken at some points. Fun contest. I like contests with bonus stations. Hope it survives and happens again next year.

72,
Bill, K5ZTY
Houston, TX

Date: Sat, 5 May 2001 17:20:26 -0400
From: "Ken Simpson, W8EK" <W8EK@fdt.net>
To: "QRP List" <qrp-1@lehigh.edu>
Subject: [97734] CW items FS
Message-ID: <016a01c0d5a9\$34e228c0\$6c91d4d1@toshiba>

For Sale:

Brass colored CW key.
Generic CW key, with shorting switch.
"Made in Japan" \$ 15

TenTec KR-50 keyer.
Iambic, with dit and dah memories, if desired
(they can be turned on or off). Built in Iambic
paddles with magnetic touch adjustment (adjust
pot on back to set current to electromagnet),
sidetone, 12 V DC or 110 V AC power, and reed
relay output to key most any rig. \$ 60

Prices do not include shipping from Florida.

Thanks.

73,

Ken, W8EK

Ken Simpson
E-Mail to W8EK@fdt.net or W8EK@usa.net
Voice Phone (352) 732-8400

Date: Sat, 5 May 2001 18:08:04 -0400
From: "Ken Kirkley" <ogbc@mindspring.com>
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [97735] Portable Vertical Ant
Message-ID: <004101c0d5af\$dc8b8ca0\$daabf7a5@default>

Looking for any input on using a Comet mobile vertical for use on 40 meter cw qrp...Would I need to run some kind of a counterpoise? Will the ant work OK without having the metal of the vehicle as a ground plane? Anyone else tried such?

72,
Ken/N04D

Date: Sat, 05 May 2001 14:47:03 +0100
From: Dan Robbins <kl7y@alaska.net>
To: qrp-l messages <qrp-l@lehigh.edu>
Subject: [97736] AL7FS at KL7Y 2245Z
Message-ID: <3AF40457.559EB30F@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well, as usual, the bands are not too good for me today. Dan laughs at the fact that I have never been up here when the bands were hot. It has to happen sometime.

I have only worked a few Europeans (G0 and IK3), one Japan and California. I am taking a long rest break and will keep checking the bands from time to time. My main goal tonight is to get on 30 meters after 0200Z. The antenna is an inverted V at 140 feet.

I will be watching QRP-L the rest of today from up here. Dan recently upgraded to a DSL line so it is way easier to stay on the list.

73 for now,

Jim, AL7FS

Date: Sat, 5 May 2001 17:49:20 -0500
From: "Randall" <Firefox@Southwind.net>
To: <ogbc@mindspring.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [97737] batteries.....again
Message-ID: <LNBBKDBHLFMOHHIGOGPMMEIDDKAA.Firefox@Southwind.net>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Been thinking of gettin a small garden tractor type battery for portable use with an IC706. Much lighter than a car battery.
There are both low maint. and deep cycle available in the same approximate physical size, both are about 10W x 5D x 8H" . Would a deep cycle be better than a standard low maint. battery ?
This has probably been covered before but thanks anyway.....

End of QRP-L Digest 2180

